

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/803,100  
Source: 1FWO  
Date Processed by STIC: 12/28/04

# ***ENTERED***



IFWO

## RAW SEQUENCE LISTING

DATE: 12/28/2004

PATENT APPLICATION: US/10/803,100

TIME: 09:49:00

Input Set : A:\seq list from client.txt

Output Set : N:\CRF4\12282004\J803100.raw

3 <110> APPLICANT: Naoyuki TANIGUCHI  
 5 <120> TITLE OF INVENTION: MOUSE IN WHICH GENOME IS MODIFIED  
 7 <130> FILE REFERENCE: 249-332  
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/803,100  
 C--> 9 <141> CURRENT FILING DATE: 2004-03-18  
 9 <150> PRIOR APPLICATION NUMBER: JP 2003-074195  
 10 <151> PRIOR FILING DATE: 2003-03-18  
 12 <150> PRIOR APPLICATION NUMBER: US 60/501,019  
 13 <151> PRIOR FILING DATE: 2003-09-09  
 15 <160> NUMBER OF SEQ ID NOS: 2  
 17 <170> SOFTWARE: PatentIn Ver. 2.1  
 19 <210> SEQ ID NO: 1  
 20 <211> LENGTH: 575  
 21 <212> TYPE: PRT  
 22 <213> ORGANISM: Mus musculus  
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 26 1 5 10 15  
 28 Ala Trp Gly Thr Leu Leu Phe Tyr Ile Gly Gly His Leu Val Arg Asp  
 29 20 25 30  
 31 Asn Asp His Pro Asp His Ser Ser Arg Glu Leu Ser Lys Ile Leu Ala  
 32 35 40 45  
 34 Lys Leu Glu Arg Leu Lys Gln Gln Asn Glu Asp Leu Arg Arg Met Ala  
 35 50 55 60  
 37 Glu Ser Leu Arg Ile Pro Glu Gly Pro Ile Asp Gln Gly Thr Ala Thr  
 38 65 70 75 80  
 40 Gly Arg Val Arg Val Leu Glu Glu Gln Leu Val Lys Ala Lys Glu Gln  
 41 85 90 95  
 43 Ile Glu Asn Tyr Lys Lys Gln Ala Arg Asn Gly Leu Gly Lys Asp His  
 44 100 105 110  
 46 Glu Ile Leu Arg Arg Arg Ile Glu Asn Gly Ala Lys Glu Leu Trp Phe  
 47 115 120 125  
 49 Phe Leu Gln Ser Glu Leu Lys Lys Leu Lys His Leu Glu Gly Asn Glu  
 50 130 135 140  
 52 Leu Gln Arg His Ala Asp Glu Ile Leu Leu Asp Leu Gly His His Glu  
 53 145 150 155 160  
 55 Arg Ser Ile Met Thr Asp Leu Tyr Tyr Leu Ser Gln Thr Asp Gly Ala  
 56 165 170 175  
 58 Gly Asp Trp Arg Glu Lys Glu Ala Lys Asp Leu Thr Glu Leu Val Gln  
 59 180 185 190  
 61 Arg Arg Ile Thr Tyr Leu Gln Asn Pro Lys Asp Cys Ser Lys Ala Arg  
 62 195 200 205  
 64 Lys Leu Val Cys Asn Ile Asn Lys Gly Cys Gly Tyr Gly Cys Gln Leu

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67 His His Val Val Tyr Cys Phe Met Ile Ala Tyr Gly Thr Gln Arg Thr
68 225      230      235      240
70 Leu Ile Leu Glu Ser Gln Asn Trp Arg Tyr Ala Thr Gly Gly Trp Glu
71      245      250      255
73 Thr Val Phe Arg Pro Val Ser Glu Thr Cys Thr Asp Arg Ser Gly Leu
74      260      265      270
76 Ser Thr Gly His Trp Ser Gly Glu Val Asn Asp Lys Asn Ile Gln Val
77      275      280      285
79 Val Glu Leu Pro Ile Val Asp Ser Leu His Pro Arg Pro Pro Tyr Leu
80      290      295      300
82 Pro Leu Ala Val Pro Glu Asp Leu Ala Asp Arg Leu Leu Arg Val His
83 305      310      315      320
85 Gly Asp Pro Ala Val Trp Trp Val Ser Gln Phe Val Lys Tyr Leu Ile
86      325      330      335
88 Arg Pro Gln Pro Trp Leu Glu Lys Glu Ile Glu Glu Ala Thr Lys Lys
89      340      345      350
91 Leu Gly Phe Lys His Pro Val Ile Gly Val His Val Arg Arg Thr Asp
92      355      360      365
94 Lys Val Gly Thr Glu Ala Ala Phe His Pro Ile Glu Glu Tyr Met Val
95      370      375      380
97 His Val Glu Glu His Phe Gln Leu Leu Ala Arg Arg Met Gln Val Asp
98 385      390      395      400
100 Lys Lys Arg Val Tyr Leu Ala Thr Asp Asp Pro Thr Leu Leu Lys Glu
101      405      410      415
103 Ala Lys Thr Lys Tyr Ser Asn Tyr Glu Phe Ile Ser Asp Asn Ser Ile
104      420      425      430
106 Ser Trp Ser Ala Gly Leu His Asn Arg Tyr Thr Glu Asn Ser Leu Arg
107      435      440      445
109 Gly Val Ile Leu Asp Ile His Phe Leu Ser Gln Ala Asp Phe Leu Val
110      450      455      460
112 Cys Thr Phe Ser Ser Gln Val Cys Arg Val Ala Tyr Glu Ile Met Gln
113 465      470      475      480
115 Thr Leu His Pro Asp Ala Ser Ala Asn Phe His Ser Leu Asp Asp Ile
116      485      490      495
118 Tyr Tyr Phe Gly Gly Gln Asn Ala His Asn Gln Ile Ala Val Tyr Pro
119      500      505      510
121 His Lys Pro Arg Thr Glu Glu Glu Ile Pro Met Glu Pro Gly Asp Ile
122      515      520      525
124 Ile Gly Val Ala Gly Asn His Trp Asp Gly Tyr Ser Lys Gly Ile Asn
125      530      535      540
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128 545      550      555      560
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134 <210> SEQ ID NO: 2
135 <211> LENGTH: 1728
136 <212> TYPE: DNA
137 <213> ORGANISM: Mus musculus

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139 &lt;400&gt; SEQUENCE: 2

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144 agagaactct ccaagattct tgcaaagctt gaacgcttaa aacagcaaaa tgaagacttg 180
146 aggcgaatgg ctgagtctct ccgaatacca gaaggcccca ttgaccaggg gacagctaca 240
148 ggaagagtcc gtgtttttaga agaacagctt gttaaggcca aagaacagat tgaatttac 300
150 aagaaacaag ctagaaatgg tctggggaag gatcatgaaa tcttaagaag gaggattgaa 360
152 aatggagcta aagagctctg gttttttcta caaagcgaa tgaagaaatt aaagcattta 420
154 gaaggaaatg aactccaaag acatgcagat gaaattcttt tggatttagg acaccatgaa 480
156 aggtctatca tgacagatct atactacctc agtcaaacag atggagcagg ggattggcgt 540
158 gaaaaagagg ccaaagatct gacagagctg gtccagcgga gaataacata tctccagaat 600
160 cctaaggact gcagcaaagc caggaaagctg gtgtgtaaca tcaataaagg ctgtggctat 660
162 gggtgtcaac tccatcacgt ggtctactgt ttcattgattg cttatggcac ccagcgaaca 720
164 ctcatcttgg aatctcagaa ttggcgctat gctactggtg gatgggagac tgtgtttaga 780
166 cctgtaagtg agacatgtac agacagatct ggccctctca ctggacactg gtcagggtgaa 840
168 gtaaatgaca aaaacattca agtggtcgag ctccccattg tagacagcct ccactctcgg 900
170 cctccttact taccactggc tgttccagaa gaccttgagc accgactcct aagagtccat 960
172 ggtgaccctg cagtgtgggtg ggtgtcccag tttgtcaa atcttgattcg tccacaacct 1020
174 tggctggaag aggaaataga agaagccacc aagaagcttg gcttcaaaca tccagttatt 1080
176 ggagtccatg tcagacgcac agacaaagtg ggaacagaag cagccttcca ccccatcgag 1140
178 gagtacatgg tacacgttga agaactttt cagcttctcg cacgcagaat gcaagtggat 1200
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188 accctgcata ctgatgcctc tgcgaacttc cattctttgg atgacatcta ctattttgga 1500
190 ggccaaaatg cccacaatca gattgctgtt tatcctcaca aacctcgaac tgaagaggaa 1560
192 attccaatgg aacctggaga tatcattggg gtggctggaa accattggga tggttattct 1620
194 aaaggatatca acagaaaact tggaaaaaca ggcttatatc cctcctacaa agtccgagag 1680
196 aagatagaaa cagtcaagta tcccacatat cctgaagctg aaaaatag 1728

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**VERIFICATION SUMMARY**

DATE: 12/28/2004

PATENT APPLICATION: US/10/803,100

TIME: 09:49:01

Input Set : A:\seq list from client.txt

Output Set: N:\CRF4\12282004\J803100.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date